

[54] METHODS FOR HANDLING CALENDAR INFORMATION IN A DATA PROCESSING SYSTEM

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364/407[58] Field of Search ... 364/900 MS File, 200 MS File,
364/145, 569, 400, 401, 407, 705.08, 705.07;
340/717, 700, 706; 368/28

[56] References Cited

U.S. PATENT DOCUMENTS

4,302,752	11/1981	Weitzler	340/309.1
4,518,267	5/1985	Hepp	364/569
4,626,836	12/1986	Curtis et al.	340/706
4,645,238	2/1987	Vincent et al.	340/700 X
4,807,154	2/1989	Scully et al.	340/706 X
4,807,155	2/1989	Cree et al.	340/706 X
4,817,018	3/1989	Cree et al.	364/521 X
4,819,191	4/1989	Scully et al.	340/706 X
4,866,611	9/1989	Cree et al.	340/706 X

FOREIGN PATENT DOCUMENTS

0142067 5/1985 European Pat. Off. .

OTHER PUBLICATIONS

IBM TDB, "Calendar Security", vol. 26, No. 9, pp. 4733-4734, Feb. 1984.

IBM TDB, "Automated Meeting Data Structure for Information Interchange in an Office Network", vol. 29, No. 8, p. 3422, Jan. 1987.

IBM TDB, "Generalized Request/Reply Mechanism for Use in Asynchronous Distributed Environments", vol. 29, No. 8, pp. 3345-3357, Jan. 1987.

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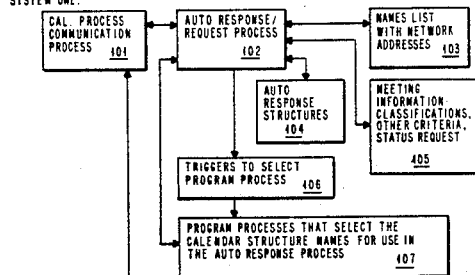
[57] ABSTRACT

The present invention relates to methods of automatically generating a data stream in which a calendar owner can request the status of a plurality of calendars maintained by an electronic calendaring system. A first data structure is generated by the system in response to the entry of calendar information by the calendar owner. The first data structure includes a plurality of predetermined fields for storing the calendar information. Each of the plurality of fields are compared to equivalent fields in identified ones of the plurality of calendars. A second data structure is then generated for each of the identified ones of the plurality of calendars which sets forth the status of calendaring an event thereon. The second data structure is transmitted to the calendar owner to confirm the status of each of the identified ones of the plurality of calendars.

9 Claims, 8 Drawing Sheets

AUTOBUILD PROCESS
(AN OPERATION IDENTICAL TO THE ONE ON SYSTEM ONE ALSO RESIDES ON SYSTEM TWO TO PERFORM THE SAME FUNCTION)

SYSTEM ONE:

SYSTEM TWO
(REMOTE):